

INTERNATIONAL SEARCH REPORT

International application No.
PCT/CA2004/001623

A. CLASSIFICATION OF SUBJECT MATTER: F 16H 48/04; X-ref: B21J 5/02; B21K 1/26

B. FIELDS SEARCHED: F16H 48/04; F16H 48/12; F16H 48/02; B21J 5/02; B21K 1/26; US 74/650

Minimum documentation searched (classification system followed by classification symbols)

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched:
Kent's Mechanical Engineers' Handbook , 12 th edition, 1969, chapter 20.

Electronic data base consulted during the international search (name of data base, and, where practicable, search terms used): Delphion, Techsource, esp@cenet, key words: differential, gear, die, forming, housing, ring gear, blank.

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	Kent's Mechanical Handbok, 12th edition, 1969, chapter 20. Plastic Working of Metals.	14 to 22
Y	CA 2,281,242 (BELL, D. et al.) 28 March 2000 (29-04-2000) (whole document)	1 to 22
Y	CA 1,291,866 (YOSHIMURA, K.) 12 November 1991 (12-11-1991) (fig. 14)	1 to 22

Further documents are listed in the continuation of Box C.

Patent family members are listed in annex.

* Special categories of cited documents :	
"A" document defining the general state of the art which is not considered to be of particular relevance	"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
"E" earlier application or patent but published on or after the international filing date	"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)	"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art
"O" document referring to an oral disclosure, use, exhibition or other means	"&" document member of the same patent family
"P" document published prior to the international filing date but later than the priority date claimed	

Date of the actual completion of the international-type search,
13 January 2005 (13-01-2005)Date of mailing of the international-type search report
01 March 2005 (01-03-2005)Name and mailing address of the ISA/CA
Commissioner of Patents
Canadian Patent Office - PCT
Ottawa/Gatineau K1A 0C9
Facsimile No. 1-819-953-9358Authorized officer
B. A. Dmochowski (819) 997-2798

INTERNATIONAL SEARCH REPORT
Information on patent family members

International application No.
PCT/CA2004/001623

Patent Document Cited in Search Report	Publication Date	Patent Family Member(s)	Publication Date
CA2281242	28-03-2000	AU747570 B2 AU4483399 A CA2281242 A1 US5989143 A	16-05-2002 30-03-2000 28-03-2000 23-11-1999
CA1291866	12-11-1991	CA1291866 C CN85106696 A JP1769729C C JP1769730C C JP61020642 A KR9208551 B1 WO8600549 A1	12-11-1991 10-04-1986 30-06-1993 30-06-1993 29-01-1986 01-10-1992 30-01-1986